

Converting Colors

CIELCh(78, 37.979, 213.353)

Have a look what the booklet for
CIELCh(78, 37.979, 213.353)
contains.

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Color

CIELCh(78, 38.037, 212.675)

Conversions

Conversions Part 1

Format	Color
Hex	3FD3E6
RGB	63, 211, 230
RGB Percent	25%, 83%, 90%
CMY	0.7543, 0.1735, 0.0990
CMYK	0.73, 0.08, 0.00, 0.10
HSL	187°, 77%, 57%
HSV	187°, 73%, 90%
XYZ	39.5090, 53.2120, 82.8709
YIQ	168.9140, -94.3070, -25.4670

Conversions

Conversions Part 2

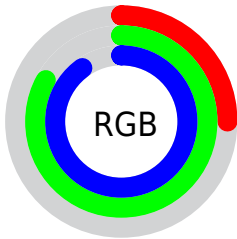
Format	Color
R _{YB}	63, 141, 230
Decimal	4183014
CIE Lab	78.00, -32.02, -20.54
CIE LCh	78, 38.037, 212.675
Yxy	53.2120, 0.2250, 0.3030
Android (android.graphics.Color)	4282373094 (0xFF3FD3E6)
YUV	168.9140, 30.1154, -92.8866
Hunter-Lab	72.9466, -30.9781, -16.2937

Details

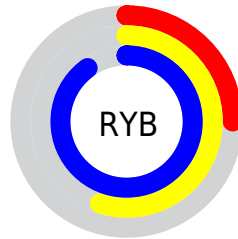
The CIELCh color **78, 38.037, 212.675** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **55, 70.209, 36.639**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 35.800, 197.221**, and **59, 33.437, 214.797** is the 20% darker color. If you saturate the color by 10%, you get **77, 39.775, 214.056**, and if you desaturate by 10%, it is **79, 35.333, 211.630**.

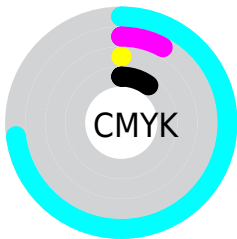
Distribution



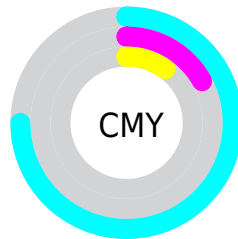
- Red (25%)
- Green (83%)
- Blue (90%)



- Red (25%)
- Yellow (55%)
- Blue (90%)



- Cyan (73%)
- Magenta (8%)
- Yellow (0%)
- Black (10%)





- Cyan (75%)
- Magenta (17%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 38.037, 212.675 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 78, 38.037, 212.675 by changing the saturation by 10% instead.


 78, 38.037,
212.675

 78, 38.037,
212.675


 100, 38.037,
212.675


 68, 38.037,
212.675


 98, 38.037,
212.675

 58, 38.037,
212.675

 48, 38.037,
212.675

 38, 38.037,
212.675

 28, 38.037,
212.675

 18, 38.037,
212.675

 8, 38.037, 212.675

■ 0, 38.037, 212.675

■ 78, 38.037,
212.675

■ 78, 38.037,
212.675

■ 77, 39.775,
214.056

■ 79, 35.333,
211.630

■ 76, 40.619,
215.817

■ 81, 31.671,
210.877

■ 75, 40.827,
217.306

■ 82, 27.108,
210.369

■ 84, 21.743,
210.064

■ 86, 15.690,
209.928

■ 88, 9.070, 209.939

■ 91, 1.998, 210.266

■ 93, 5.420, 30.010

■ 94, 7.867, 36.861

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



78, 38.037, 212.675



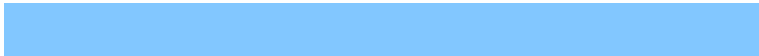
55, 70.209, 36.639

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78, 38.037, 212.675



78, 38.037, 262.675



78, 38.037, 32.675



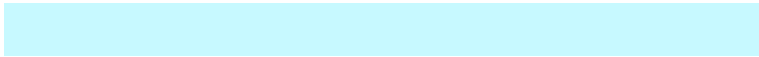
78, 38.037, 82.675

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



78, 38.036, 212.674



95, 16.557, 209.924



81, 92.014, 139.991



50, 11.019, 209.944



0, 0.000, 0.000



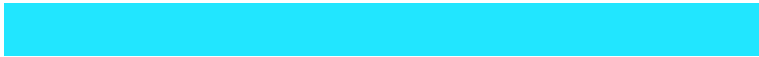
53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



78, 38.036, 212.674



84, 43.585, 214.846



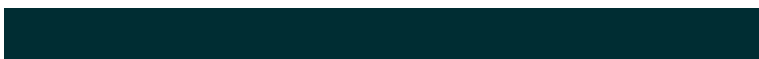
55, 58.334, 282.293



47, 4.078, 209.980



60, 33.840, 216.919



16, 14.377, 213.376

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



57, 88.099, 331.938



60, 103.430, 332.735



72, 61.487, 75.131



45, 7.682, 328.218



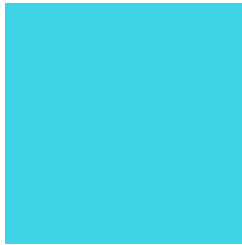
41, 80.906, 333.331



8, 34.418, 332.461

Previews

White Background



This preview shows how the CIE LCh color 78, 38.037, 212.675 looks on a white background.

Color Contrast Check

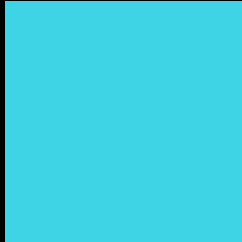
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 78, 38.037, 212.675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 38.037, 212.675

Background



This preview shows how black text looks on a background with the CIELCh color 78, 38.037, 212.675.



This preview shows how white text looks on a background with the CIELCh color 78, 38.037, 212.675.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

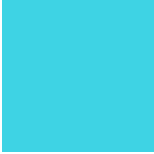
Dichromacy



Original Color
78, 38.037, 212.675

Protanopia
77, 13.973, 287.185

Deuteranopia
77, 25.801, 293.241

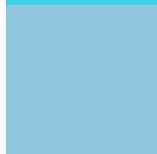


Tritanopia
78, 38.148, 210.907

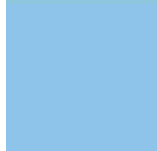
Trichromacy



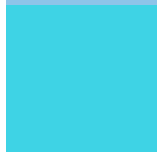
Original Color
78, 38.037, 212.675



Protanomaly
77, 21.260, 234.138



Deuteranomaly
77, 25.335, 250.771

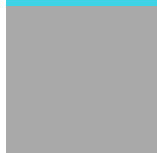


Tritanomaly
78, 38.146, 211.763

Monochromacy



Original Color
78, 38.037, 212.675



Achromatopsia
69, 0.009, 296.813



Achromatomaly
71, 18.329, 210.169

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 38.037, 212.675 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(63, 211, 230)` looks like.

```
.text, #text, p{  
    color:rgb(63, 211, 230)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(63, 211, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 211, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 38.037, 212.675 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(63, 211, 230) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(63, 211, 230) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(63, 211, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 211, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 211, 230);  
box-shadow:4px 4px 4px 4px rgb(63, 211,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 38.037, 212.675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 211, 230) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(63, 211,  
230) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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